



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141185

Mode: Highway

Status: Submitted

NC-16 BUS , SR-1387, SR-1439 (Triangle Circle, Unity Church)

From/Cross Street: SR 1439 (Unity Church Road), SR 1387 (Triangle Circle) **Specific Improvement Type:** 10 - Improve Intersection

To:

Project Category: Regional Impact

Length: 0.5

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$930,000

Description:

Add turn lanes.

Division(s): Division 12

County(s): LINCOLN

MPOS(s)/RPO(s): Gaston-Cleveland-Lincoln MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 59.61

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 50.48	Percent: 15% Points: 100	Percent: 15% Points: 0
Safety (10%) 33.35		
[Travel Time] Benefit/Cost (25%) 100.00		
Accessibility / Connectivity (10%) 36.53		
Totals: Weight: 70% Weighted Score: 44.61		

Division Needs Total Score: 33.43

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 50.48	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 33.35		
[Travel Time] Benefit/Cost (20%) 100.00		
Totals: Weight: 50% Weighted Score: 33.43		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	0.5
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	21788.89
Capacity:	31300.63
Volume/Capacity Ratio:	0.7
% Autos:	90%
% Trucks:	10%
Truck Volume:	2178.89
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	66.7
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	31
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	99
Actual Congested Speed:	19.46
Travel Time Index:	2.31

Project Benefits

Project Cross-Section:	
Speed Limit:	55
Length (miles):	0.5
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	6625000
Travel Time Savings for 30 Years (Autos):	5962500
Travel Time Savings for 30 Years (Trucks):	662500
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 12

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 12	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Gaston-Cleveland-Lincoln MPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$750,000	Cost Estimation Tool
Right-of-Way Cost:	\$180,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$930,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$930,000	